

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7830	((29/832,834,739,743,708,709,407.05,407.08) or (294/64.1,607) or (73/1.35,1.57,1.58) or (29/720,721,743)). ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/02 11:37
L2	200	l1 and @pd> "20080701"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/02 11:38
S1	38	suction nozzle and setting near pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/22 11:21
S2	5517	suction nozzle and pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/22 11:22
S3	460	suction nozzle with component and pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/22 11:22
S4	11	suction nozzle with component and pressure with (compared or comparing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/22 11:23
S5	574	(vacuum or suction) nozzle with component and pressure	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/22 11:26
S6	413	(vacuum or suction) nozzle with component and pressure and mounting	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/22 11:27
S7	352	(vacuum or suction) nozzle with component and pressure and mounting with component	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/22 11:27
S8	64	(vacuum or suction) nozzle with component and pressure with (threshold or value)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/22 11:28
S9	15	(vacuum or suction) nozzle with component and pressure with (difference ) not S8	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/22 11:45
S10	4752	(vacuum or suction) with component and pressure with (threshold or value)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/22 11:56
S11	67	(vacuum or suction)near2 (pipette or head ) with component and pressure with (threshold or value)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/22 11:57
S12	17	("4683654"   "5029383"   "5475619"   "5498942").PN. OR ("5761798").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/22 12:29

S13	21	(vacuum or suction) near2 (pipette or head or nozzle) with component and pressure with (threshold or value)	FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/22 12:46
S14	78	(h05k013/04.ipc. or h05k13/04.ipcr.) and pressure with (threshold or value)	FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/22 14:45
S15	1	11/340425.app.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/23 09:54
S16	8	(h05k013/04.ipc. or h05k13/04.ipcr.) and pressure with initial	FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/29 16:00
S17	52	(h05k013/04.ipc. or h05k13/04.ipcr.) and pressure with initial	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/29 16:05
S18	2618	(h05k013/04.ipc. or h05k13/04.ipcr.) and pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/29 16:18
S19	38	(h05k013/\$.ipc. or h05k13/\$.ipcr.) and pressure with (compared or comparing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 11:38
S20	1	2004-514557.NRAN.	DERWENT	ADJ	ON	2009/02/01 11:51
S21	4640	(h05k013/\$.ipc. or h05k13/\$.ipcr.) and pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 11:53

S22	53	(h05k013/\$.ipc. or h05k13/\$.ipcr.) and pressure near5 (initial or original or beginning)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 11:54
S23	557	(h05k/\$.ipc. or h05k/\$.ipcr.) and pressure near5 (initial or original or beginning)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 12:03
S24	504	(h05k/\$.ipc. or h05k/\$.ipcr.) and pressure near5 (initial or original or beginning) not S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 12:04
S25	8	(h05k/\$.ipc. or h05k/\$.ipcr.) and pressure near5 (initial or original or beginning) not S22 and (mounting or placement).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 12:06
S26	170	(h05k013/\$.ipc. or h05k13/\$.ipcr.) and (pressure and (dropped or dropping or release or releasing)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 12:19
S27	31	(h05k013/\$.ipc. or h05k13/\$.ipcr.) and differential pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 12:34
S28	1	("4135630").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/01 12:37

S29	2	(h05k013/\$.ipc. or h05k13/\$.ipcr.) and leakage test	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 14:00
S30	235	(h05k013/\$.ipc. or h05k13/\$.ipcr.) and leakage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 14:33
S31	130	(h05k013/04.ipc. or h05k13/04.ipcr.) and leakage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 14:33
S32	33	(h05k013/04.ipc. or h05k13/04.ipcr.) and initial near5 (vacuum or suction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 14:36
S33	2944	29/832.ccls. not (h05k013/04.ipc. or h05k13/04.ipcr.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:17
S34	3330	29/832.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:17

S35	962	S33 and pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:18
S36	14	S33 and pressure with initial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:18
S37	9	S33 and pressure near5 (compared or comparing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:20
S38	503	29/743.ccls. not (h05k013/04.ipc. or h05k13/04.ipcr.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:21
S39	244	S38 and pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:21
S40	1	S38 and pressure near5 initial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:22

S41	4	S38 and pressure near5 (comparing or compared)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:22
S42	2	S38 and pressure near5 threshold	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:24
S43	11	S38 and pressure with difference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:25
S44	1524	(vacuum or suction) near2 (pipette or head ) and pressure with difference	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/01 17:28
S45	811	(vacuum or suction) near2 (pipette or head ) and pressure with initial	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/01 17:28
S46	5	(vacuum or suction) near2 (pipette or head ) and pressure with initial with (compared or comparing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/01 17:28
S47	19	(vacuum or suction) near2 (pipette or head or nozzle) and pressure with initial with (compared or comparing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/01 17:29
S48	1219	(vacuum or suction) near2 (pipette or head or nozzle) and pressure with (compared or comparing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/01 17:31
S49	686	(vacuum or suction) near2 (pipette or head or nozzle) and pressure near5 (compared or comparing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/01 17:31
S50	92	(vacuum or suction) near2 (pipette or head or nozzle) and pressure near5 (compared or comparing) and pressure with threshold	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/01 17:32
S51	17	("4683654"   "5029383"   "5475619"   "5498942").PN. OR ("5761798").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/01 17:49

S52	4262	(apparatus near3 component near3 mounting) not (h05k013/04. ipc. or h05k13/04.ipcr.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:55
S53	797	S52 and pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:55
S54	9	S52 and pressure with zero	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:55
S55	8	S52 and pressure near5 (compared or comparing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 17:57
S56	144	700/301.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 18:00
S57	134	700/301.ccls. and pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 18:01

S58	27	700/301.cds. and pressure with threshold	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 18:01
S59	23	(h05k013/04.ipc. or h05k13/04.ipcr.) and vacuum with (change or decrease) with pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 20:01
S60	11	(h05k013/04.ipc. or h05k13/04.ipcr.) and achieved near3 pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 20:14
S61	43	(h05k013/04.ipc. or h05k13/04.ipcr.) and suction near2 value	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 20:17
S62	15	(h05k013/04.ipc. or h05k13/04.ipcr.) and vacuum near2 value	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 20:26
S63	25	(h05k013/04.ipc. or h05k13/04.ipcr.) and vacuum near5 value	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 20:31



S64	21	(h05k013/04.ipc. or h05k13/04.ipcr.) and vacuum near10 value not S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 20:31
S65	160	(h05k013/04.ipc. or h05k13/04.ipcr.) and suction near10 value not S61	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 20:37
S66	26650	(h05k013/04.ipc. or h05k13/04.ipcr.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 20:49
S67	29990	(chip or part or component) near3 (mounter or mounting) near3 (device or apparatus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 20:50
S68	23008	(chip or part or component) near3 (mounter or mounting) near3 (device or apparatus) not S66	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 20:50
S69	208	S68 and pressure near5 value	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 20:51

S70	78	S68 and pressure near5 value and vacuum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 20:51
S71	46	S68 and pressure near5 value and vacuum with pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 20:51
S72	0	initial near3 pressure with difference same component with dropped	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 21:07
S73	1	initial near3 pressure and pressure with difference same component with dropped	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 21:07
S74	1	initial near5 pressure and pressure with difference same component with dropped	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 21:08
S75	0	initial near5 pressure and pressure with difference same component with dropping	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 21:08

S76	0	initial near5 pressure and pressure with difference same component with fallen	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 21:08
S77	0	initial near5 pressure and pressure with difference same component with missing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 21:09
S78	2618	S66 and pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 21:58
S79	1238	S66 and pressure	FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 21:58
S80	232	S66 and pressure and (dropped or dropping or fallen or missing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 21:59
S81	24	S66 and pressure with (dropped or dropping or fallen or missing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/01 22:00

S82	26650	(h05k013/04.ipc. or h05k13/04.ipcr.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 10:13
S83	28	S82 and pressure near5 reference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 10:13
S84	5	S82 and pressure near5 reset	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 10:18
S85	0	S82 and pressure near5 zeroed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 10:19
S86	11	S82 and pressure near5 zero	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 10:19
S87	67	S82 and pressure near5 basis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 10:22

S88	12	S82 and pressure near5 basis!	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 10:24
S89	11	S82 and pressure near5 comparison	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/02 10:27

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